

COVAC COMPLETION REPORT

Client	-	Global Manufacturer
Address	-	North East England
Site Contact	-	XXXXXXXX
Project Brief	-	The Internal Reline of 1 No. Cylindrical Emergency Water Tank
System Specification	-	COPON Hycote 165PW Solvent Free Polyurethane. <i>Now known as 3M Scotchkote™ 165PW</i>
Nominal Dry Film Thickness	-	1000 Microns
Completion Date	-	23rd February 2008
Site Supervisor	-	Carl Broadley
Report Prepared by	-	Craig Phillips
COVAC Contract Ref:	-	682



SUMMARY OF WORKS

The Brief

1 off steel cylindrical water tank sized at approx: - 3.8m dia x 18m long (with baffle wall)

The tank is located externally on the roof of a 35m high building at xxxxxxxxxxxx

Internally the previous coating had been completely removed, due to poor adhesion causing the coating to delaminate from the steel substrate. Corrosion had started to develop due to the steel substrate being directly exposed to the stored water.

We therefore proposed to carry out the following: -

Mechanical Preparation

Spray Application

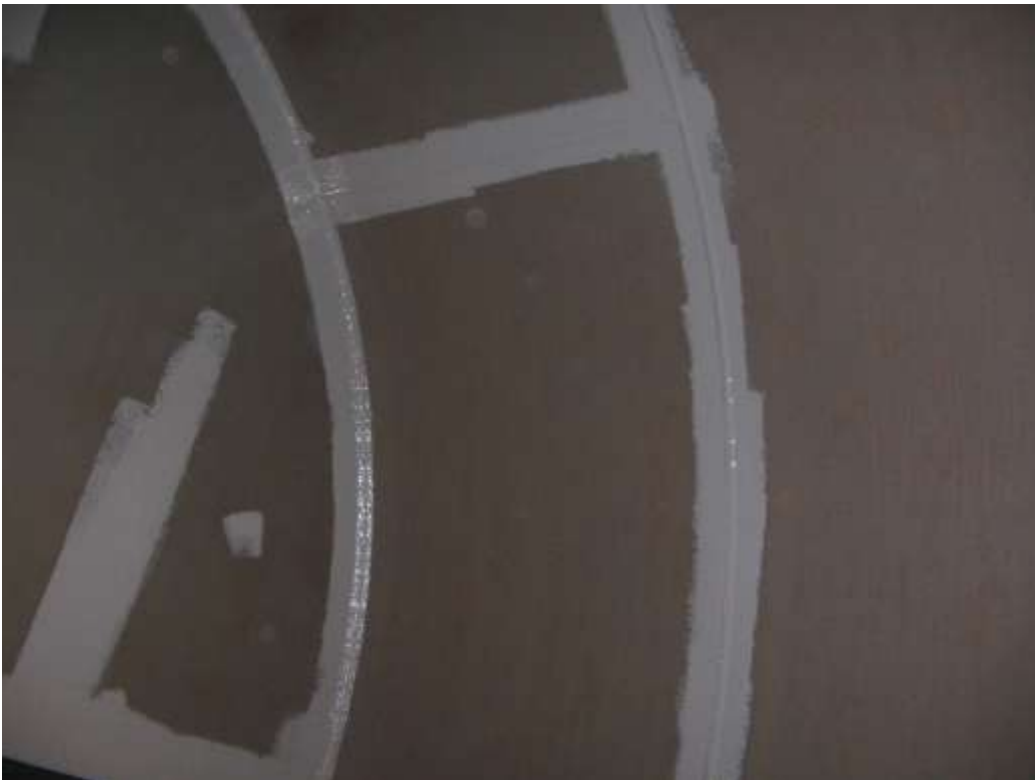
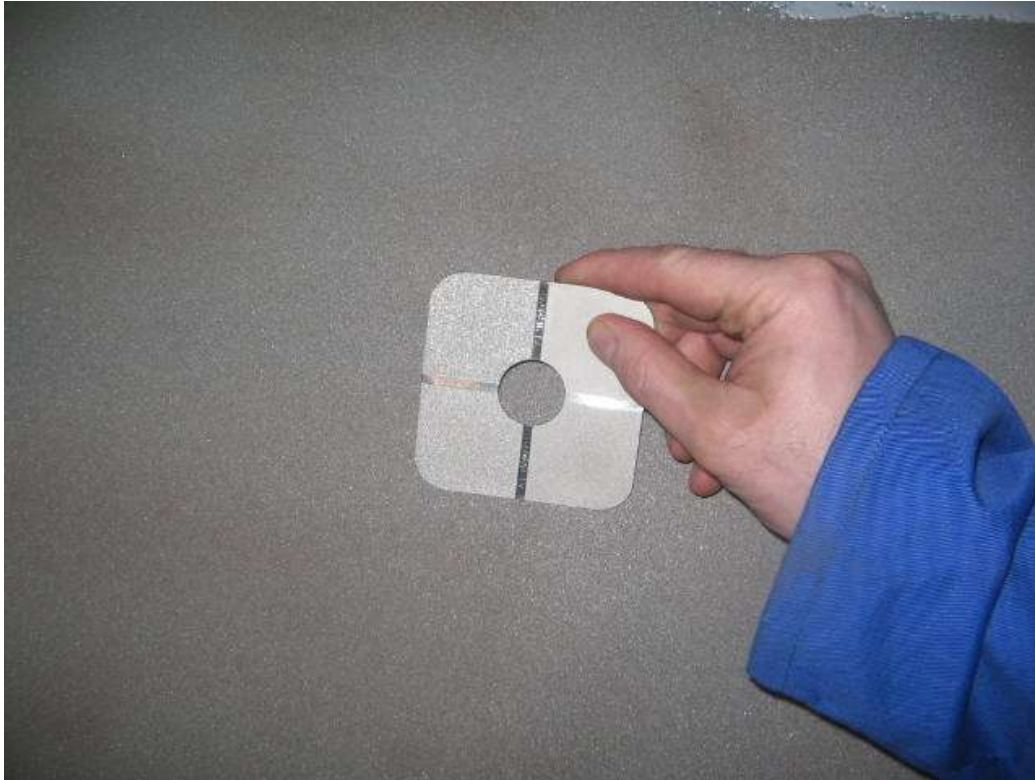




These photographs show the external of the structure and the various equipment utilized in order to transport the relevant equipment and product to the roof top for the successful progression of the project.

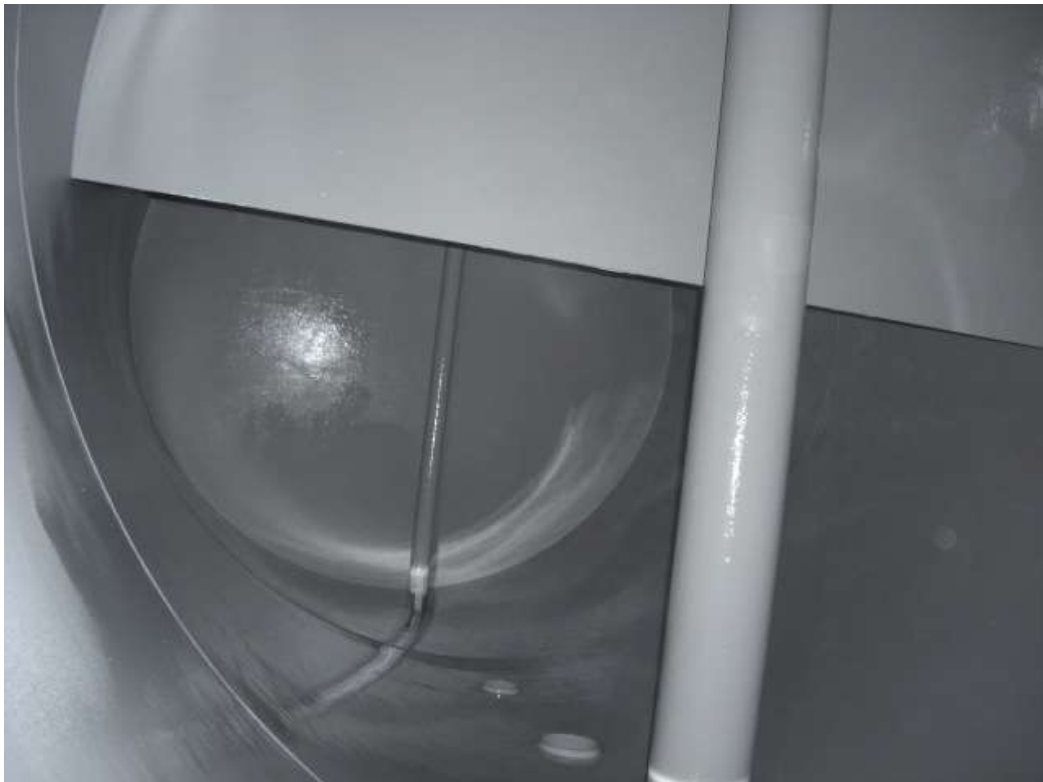


The internal surfaces of the structure were prepared by means of dry abrasive grit blasting equipment to promote the accepted surface profile of 50 – 75 Microns in readiness for the application process. All spent media was cleared from the working area in readiness for application of COPON Hycote 165PW.



Our standard QA Surface Profile Test for the grit blast on the internal steel substrate was carried out, utilizing an Elcometer 125 surface comparator. Subsequently, all weld, joints, rivets etc received an initial 'stripe coat' by brush to ensure all intricate areas were heavily coated prior to the full spray application of COPON Hycote 165PW Solvent Free Polyurethane.





The following photographs show the internal substrate after it has been fully coated with COPON Hycote 165PW (grey) Solvent Free Polyurethane, by means of plural component, hot applied spraying equipment to a nominal wet/dry film thickness of 1000 Microns (1mm) and between 1500-2000 Microns (2mm) over all stripe coated areas.



